

SCREENING CRITERIA FOR GROUND WATER AND CLP REFERENCE

LIMITS: Primary Compounds for Wilcox 7-27-16

SCREENING CRITERIA FOR AIR AND CLP REFERENCE LIMITS:

Primary Compounds for Wilcox 7-27-16

Analyte	Analytical Method (1)	Units	CASRN	Project Screening	Achievable	
					DL	RL
Volatile Organic Compounds (VOCs), including Naphthalene						
Acetone	TO-15 SIM/TO-15	µg/m	67-64-1	32,000	####	1.188
Benzene	TO-15 SIM/TO-15	µg/m	71-43-2	0.36	####	#####
Bromodichloromethane	TO-15 SIM/TO-15	µg/m	75-27-4	0.076	####	0.670
2-Butanone (Methyl Ethyl Ketone)	TO-15 SIM/TO-15	µg/m	78-93-3	5,200	####	1.180
Carbon Tetrachloride	TO-15 SIM/TO-15	µg/m	56-23-5	0.47	####	0.6292
Chloroform	TO-15 SIM/TO-15	µg/m	67-66-3	0.12	####	0.4883
Chloromethane	TO-15 SIM/TO-15	µg/m	74-87-3	94	####	1.032
3-Chloropropene	TO-15 SIM/TO-15	µg/m	107-05-1	0.47	####	1.565
alpha-Chlorotoluene	TO-15 SIM/TO-15	µg/m	100-44-7	0.057	####	0.518
Cumene	TO-15 SIM/TO-15	µg/m	98-82-8	420	####	0.492
Cyclohexane	TO-15 SIM/TO-15	µg/m	110-82-7	6,300	####	0.344
1,2-Dichlorobenzene	TO-15 SIM/TO-15	µg/m	95-50-1	210	####	0.601
1,3-Dichlorobenzene	TO-15 SIM/TO-15	µg/m	541-73-1	NS	####	0.601
cis-1,2-Dichloroethene	TO-15 SIM/TO-15	µg/m	156-59-2	NS	####	#####
1,1-Dichloroethane	TO-15 SIM/TO-15	µg/m	75-34-3	1.8	####	#####
1,1-Dichloroethene	TO-15 SIM/TO-15	µg/m	75-35-4	210	####	#####
1,2-Dibromoethane (EDB)	TO-15 SIM/TO-15	µg/m	106-93-4	0.0047	####	#####
1,4-Dichlorobenzene	TO-15 SIM/TO-15	µg/m	106-46-7	0.26	####	#####
trans-1,2-Dichloroethene	TO-15 SIM/TO-15	µg/m	156-60-5	NS	####	#####
1,2-Dichloropropane	TO-15 SIM/TO-15	µg/m	78-87-5	0.28	####	0.462
cis-1,3-Dichloropropene	TO-15 SIM/TO-15	µg/m	10061-01-	NS	####	0.454
1,4-Dioxane	TO-15 SIM/TO-15	µg/m	123-91-1	0.56	####	0.360
Ethyl Benzene	TO-15 SIM/TO-15	µg/m	100-41-4	1.1	####	#####
4-Ethyltoluene	TO-15 SIM/TO-15	µg/m	622-96-8	NS	####	0.492
Hexachlorobutadiene	TO-15 SIM/TO-15	µg/m	87-68-3	0.13	####	5.333
Naphthalene	TO-15 SIM/TO-15	µg/m	91-20-3	0.83	NS	NS
1,1,2,2-Tetrachloroethane	TO-15 SIM/TO-15	µg/m	79-34-5	0.048	####	#####
Toluene	TO-15 SIM/TO-15	µg/m	108-88-3	5,200	####	#####
Trichloroethene	TO-15 SIM/TO-15	µg/m	79-01-6	0.48	####	#####
1,2,4-Trimethylbenzene	TO-15 SIM/TO-15	µg/m	95-63-6	7.3	####	0.492
m,p-Xylene	TO-15 SIM/TO-15	µg/m	108-38-3	100	####	#####
o-Xylene	TO-15 SIM/TO-15	µg/m	95-47-6	100	####	#####

SCREENING CRITERIA FOR SOIL AND CLP REFERENCE LIMITS: Primary Compounds for
Wilcox 7-27-16

Analyte	Analytical Method	CASRN	Units	Project Screening Level(5)	CRQL (6)		
					Low Soil by SIM	Low Soil	mean m.s.d.
Volatile Organic Compounds (VOCs)							
1,1,2,2-Tetrachloroethane	SOM02.3	79-34-5	mg/k	0.127	--	0.005	0.25
1,2-Dibromo-3-chloropropane	SOM02.3	96-12-8	mg/k	0.0053	--	0.005	0.25
1,2-Dibromoethane (EDB)	SOM02.3	106-93-4	mg/k	0.036	--	0.005	0.25
1,2-Dichlorobenzene	SOM02.3	95-50-1	mg/k	0.01	--	0.005	0.25
1,2-Dichloroethane	SOM02.3	107-06-2	mg/k	0.02	--	0.005	0.25
1,2-Dichloropropane	SOM02.3	78-87-5	mg/k	0.002	--	0.005	0.25
2-Butanone (Methyl ethyl ketone)	SOM02.3	78-93-3	mg/k	35	--	0.01	0.5
Acetone	SOM02.3	67-64-1	mg/k	2.5	--	0.01	0.5
Benzene	SOM02.3	71-43-2	mg/k	0.01	--	0.005	0.25
Bromodichloromethane	SOM02.3	75-27-4	mg/k	0.29	--	0.005	0.25
Carbon Tetrachloride	SOM02.3	56-23-5	mg/k	0.4	--	0.005	0.25
Chloroform	SOM02.3	67-66-3	mg/k	0.001	--	0.005	0.25
Cyclohexane	SOM02.3	110-82-7	mg/k	6,500	--	0.005	0.25
Ethylbenzene	SOM02.3	100-41-4	mg/k	0.03	--	0.005	0.25
Isopropylbenzene (Cumene)	SOM02.3	98-82-8	mg/k	1,900	--	0.005	0.25
Methylcyclohexane	SOM02.3	108-87-2	mg/k	6500	--	0.005	0.25
Tetrachloroethene	SOM02.3	127-18-4	mg/k	0.002	--	0.005	0.25
Toluene	SOM02.3	108-88-3	mg/k	0.01	--	0.005	0.25
Trichloroethene	SOM02.3	79-01-6	mg/k	0.001	--	0.005	0.25
Vinyl Chloride	SOM02.3	75-01-4	mg/k	0.01	--	0.005	0.25
m,p-Xylene	SOM02.3	179601-23-1	mg/k	580	--	0.005	0.25
o-Xylene	SOM02.3	95-47-6	mg/k	0.1	--	0.005	0.25
Semivolatile Organic Compounds (SVOCs)							
1,1'-Biphenyl	SOM02.3	92-52-4	mg/k	47	--	0.17	5
1,4-Dioxane	SOM02.3	123-91-1	mg/k	2.05	--	0.067	2
2,2'-Oxybis (1-chloropropane)	SOM02.3	108-60-1	mg/k	19.9	--	0.33	10
2,4-Dimethylphenol	SOM02.3	105-67-9	mg/k	0.01	--	0.17	5
2,4-Dinitrotoluene	SOM02.3	121-14-2	mg/k	1.28	--	0.17	5
2,6-Dinitrotoluene	SOM02.3	606-20-2	mg/k	0.033	--	0.17	5
2-Methylnaphthalene	SOM02.3	91-57-6	mg/k	3.24	0.0033	0.17	5
2-Methylphenol	SOM02.3	95-48-7	mg/k	0.5	--	0.33	10
3,3'-Dichlorobenzidine	SOM02.3	91-94-1	mg/k	0.646	--	0.33	10
4,6-Dinitro-2-methylphenol (4,6-Dinitro-o-cresol)	SOM02.3	534-52-1	mg/k	0.144	--	0.33	10
4-Chloroaniline	SOM02.3	106-47-8	mg/k	0.03	--	0.33	10
4-Chlorophenyl-phenylether	SOM02.3	7005-72-3	mg/k	NS	--	0.17	5
4-Methylphenol	SOM02.3	106-44-5	mg/k	0.05	--	0.33	10
Anthracene	SOM02.3	120-12-7	mg/k	0.1	0.0033	0.17	5
Atrazine	SOM02.3	1912-24-9	mg/k	0.00005	--	0.33	10
Benzo(a)anthracene	SOM02.3	56-55-3	mg/k	0.16	0.0033	0.17	5
Benzo(a)pyrene	SOM02.3	50-32-8	mg/k	0.016	0.0033	0.17	5
Benzo(b)fluoranthene	SOM02.3	205-99-2	mg/k	0.16	0.0033	0.17	5
Benzo(g,h,i)perylene	SOM02.3	191-24-2	mg/k	1.1	0.0033	0.17	5
Benzo(k)fluoranthene	SOM02.3	207-08-9	mg/k	1.1	0.0033	0.17	5
Chrysene	SOM02.3	218-01-9	mg/k	1.1	0.0033	0.17	5
Dibenz(a,h)anthracene	SOM02.3	53-70-3	mg/k	0.016	0.0033	0.17	5
Dibenzofuran	SOM02.3	132-64-9	mg/k	73	--	0.17	5
Fluoranthene	SOM02.3	206-44-0	mg/k	0.1	0.0033	0.33	10
Fluorene	SOM02.3	86-73-7	mg/k	29	0.0033	0.17	5
Hexachlorobenzene	SOM02.3	118-74-1	mg/k	0.0025	--	0.17	5
Hexachlorobutadiene	SOM02.3	87-68-3	mg/k	0.04	--	0.17	5
Hexachlorocyclopentadiene	SOM02.3	77-47-4	mg/k	0.755	--	0.33	10
Hexachloroethane	SOM02.3	67-72-1	mg/k	0.596	--	0.17	--
Indeno(1,2,3-cd)pyrene	SOM02.3	193-39-5	mg/k	0.16	0.0033	0.17	5
Naphthalene	SOM02.3	91-20-3	mg/k	0.099	0.0033	0.17	5

Phenanthrene	SOM02.3	85-01-8	mg/k	0.1	0.0033	0.17	5
Phenol	SOM02.3	108-95-2	mg/k	0.05	--	0.33	10
Pyrene	SOM02.3	129-00-0	mg/k	0.1	0.0033	0.17	5

Organochlorine Pesticides							
Aldrin	SOM02.3	309-00-2	mg/k	0.00006	--	#####	--
Alpha BHC	SOM02.3	319-84-6	mg/k	0.0025	--	#####	--
Beta BHC	SOM02.3	319-85-7	mg/k	0.001	--	#####	--
Dieldrin	SOM02.3	60-57-1	mg/k	0.0005	--	#####	--
Endrin	SOM02.3	72-20-8	mg/k	0.00004	--	#####	--
Gamma BHC - Lindane	SOM02.3	58-89-9	mg/k	0.00005	--	#####	--
Toxaphene	SOM02.3	8001-35-2	mg/k	0.119	--	0.17	--
p,p-DDT	SOM02.3	50-29-3	mg/k	0.0035	--	#####	--
Polychlorinated Biphenyls (PCBs)							
Aroclor-1254	SOM02.3	11097-69-1	mg/k	0.24	--	0.033	--
Aroclor-1260	SOM02.3	11096-82-5	mg/k	0.24	--	0.033	--
Aroclor-1262	SOM02.3	37324-23-5	mg/k	0.24	--	0.033	--
Aroclor-1268	SOM02.3	11100-14-4	mg/k	0.24	--	0.033	--
TAL Metals ICP-MS							
Antimony	ISM02.3	7440-36-0	mg/k	0.14	--	1	--
Arsenic	ISM02.3	7440-38-2	mg/k	0.68	--	0.5	--
Barium	ISM02.3	7440-39-3	mg/k	1	--	5	--
Cadmium	ISM02.3	7440-43-9	mg/k	0.0022	--	0.5	--
Chromium	ISM02.3	7440-47-3	mg/k	0.4	--	1	--
Cobalt	ISM02.3	7440-48-4	mg/k	0.14	--	0.5	--
Lead	ISM02.3	7439-92-1	mg/k	0.054	--	0.5	--
Selenium	ISM02.3	7782-49-2	mg/k	0.028	--	2.5	--
Thallium	ISM02.3	7440-28-0	mg/k	0.057	--	0.5	--
Vanadium	ISM02.3	7440-62-2	mg/k	1.6	--	2.5	--
Miscellaneous							
Cyanide	ISM02.3	57-12-5	mg/k	2.7	--	0.5	--
2,3,7,8-TCDD (TEQ)	CLP HRS01.2	1746-01-6	mg/k	0.0000048	--	--	#####
Mercury	ISM02.3	7439-97-6	mg/k	0.1	--	0.1	--

NOTES: